

TrueNAS R-Series Storage Arrays

Out of Band Management

Version 1.1



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1 Connect the Management Port

Before attempting to configure TrueNAS for out-of-band management, ensure that the out-of-band management port is connected to an appropriate network. Refer to the [R-Series Basic Setup Guide](#) included with the TrueNAS Storage Array for detailed instructions on connecting to the physical ports on the system.

Connect the out-of-band management port before powering on the TrueNAS R-Series Storage Array. You will also need a monitor and keyboard connected to the system.

In most cases, the out-of-band management interface will have been pre-configured by iXsystems. This section contains instructions for configuring it from the BIOS, if needed. The TrueNAS web interface also has IPMI configuration options. See the [IPMI article on the TrueNAS Documentation Hub](#) for more details.

2 Access the BIOS

Press Delete at the splash screen while the TrueNAS Storage Array is booting to access the system BIOS.

```
Aptio Setup Utility - Copyright (C) 2020 American Megatrends, Inc.
Main Advanced Event Logs IPMI Security Boot Save & Exit

System Date                [Wed 01/06/2021]
System Time                [21:54:46]

Supermicro X11SPH-nCTPF
BIOS Version               3.3
Build Date                 02/21/2020
CPLD Version               02.B1.0B

Memory Information
Total Memory               32768 MB

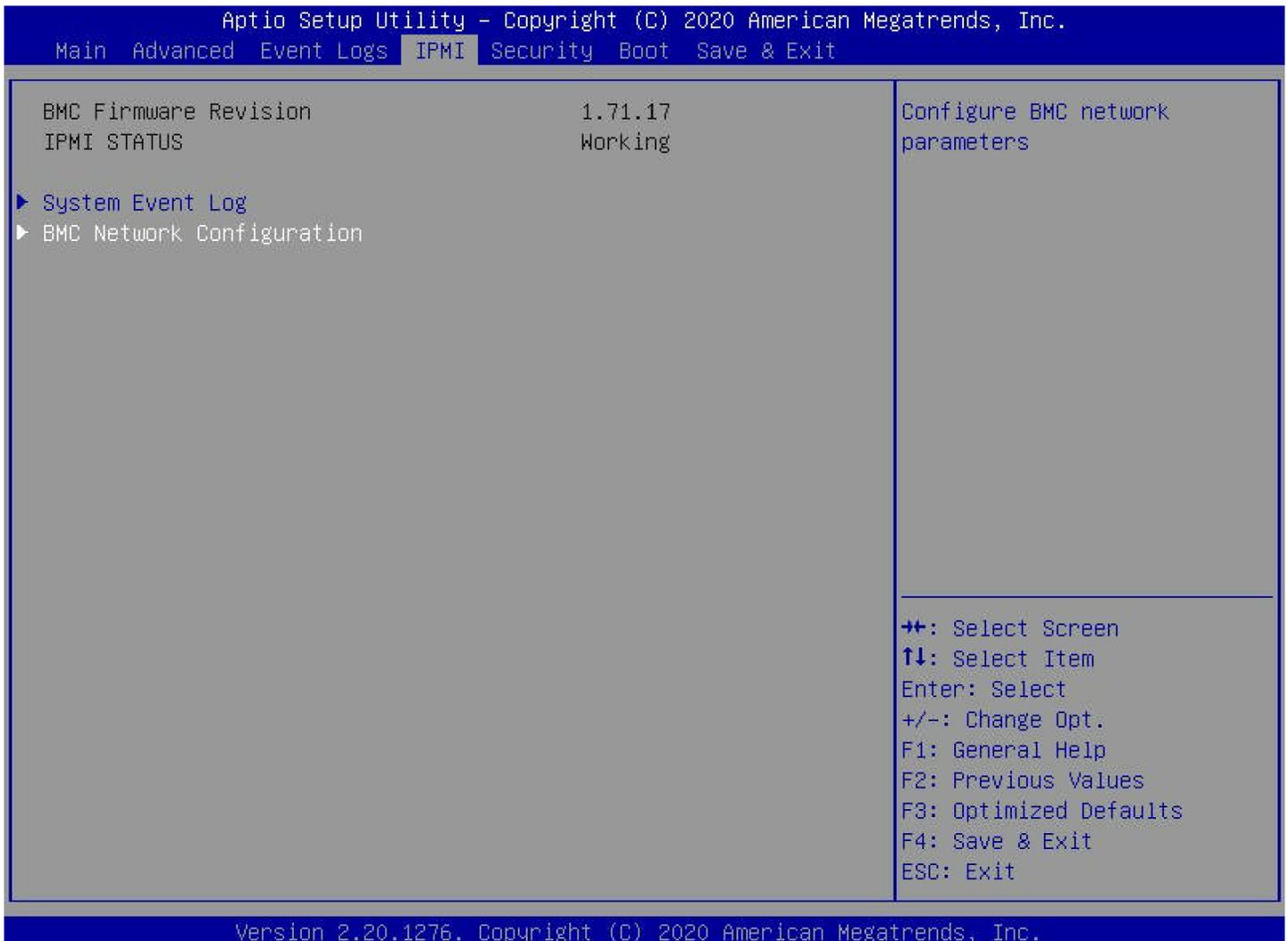
Set the Date. Use Tab to
switch between Date
elements.
Default Ranges:
Year: 1998-9999
Months: 1-12
Days: Dependent on month
Range of Years may vary.

+*: Select Screen
↑↓: Select Item
Enter: Select
+/-: Change Opt.
F1: General Help
F2: Previous Values
F3: Optimized Defaults
F4: Save & Exit
ESC: Exit

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```

2.1 IPMI Options

Navigate to the **IPMI** tab, select **BMC Network Configuration**, and press **Enter** to edit BMC network parameters.



The screenshot displays the Aptio Setup Utility interface with the IPMI tab selected. The main menu includes options for Main, Advanced, Event Logs, IPMI, Security, Boot, and Save & Exit. The IPMI section shows the following details:

BMC Firmware Revision	1.71.17	Configure BMC network parameters
IPMI STATUS	Working	

Below these details, there are two expandable menu items:

- ▶ System Event Log
- ▶ BMC Network Configuration

At the bottom right of the IPMI section, a list of navigation keys is provided:

- +: Select Screen
- ↑↓: Select Item
- Enter: Select
- +/-: Change Opt.
- F1: General Help
- F2: Previous Values
- F3: Optimized Defaults
- F4: Save & Exit
- ESC: Exit

The footer of the utility displays the text: Version 2.20.1276. Copyright (C) 2020 American Megatrends, Inc.

2.2 DHCP Address Configuration

Set **Update IPMI LAN Configuration** to *Yes* to see all options. Set the **Configuration Address Source** to *DHCP* to assign the out-of-band management IP address dynamically. The menu shows any IP addresses that have been assigned by DHCP.

```
Aptio Setup Utility - Copyright (C) 2020 American Megatrends, Inc.
IPMI

--BMC network configuration--
Update IPMI LAN Configuration          [Yes]
*****
Configure IPv4 support
*****
IPMI LAN Selection                    [Failover]
IPMI Network Link Status:            Dedicated LAN

Select to configure channel parameters
statically or dynamically (by BIOS
BMC). Unspecified options will
not modify any network parameters
during BIOS phase
```

2.3 Configuring a Static IP Address

Set the **Configuration Address Source** to *Static* to assign a static IP address for out-of-band management.

Enter the desired IP address into the **IP Address** setting. Be sure to completely fill all four octets.

```
Configuration Address Source          [Static]
Station MAC Address
Station IP Address                    [Station IP address]
Subnet Mask                          010.005.000.149_
Gateway IP Address
VLAN
```

2.4 Enter a Subnet Mask

Enter your network environment value into the **Subnet Mask** of the out-of-band management network subnet.

```
Configuration Address Source          [Static]
Station MAC Address                   30-6D-6F-07-FC-25
Station IP Address                    010.235.800.224
Subnet mask                           255.255.255.000_
Gateway IP Address
VLAN
```

2.5 Enter the Default Gateway Mask

Finally, use your network environment value to set the **Default Gateway Address** for the network to which the out-of-band management port is connected.

```
Configuration Address Source      [Static]
Station MAC Address              3C-FC-8F-87-FC-25
Station IP Address               10.215.043.224
Subnet Mask                      255.255.255.128
Gateway IP Address               [ Gateway IP address
                                010.005.000.001_
VLAN
*****
Configure IPv6 support
```

⇧⇧: Select Screen
⇩⇩: Select Item
Enter: Select

3 Logging in to the IPMI Web Interface



Please Login

Username

Password

Log in using the default credentials:

- Username: ADMIN

- Password:

Please see the asset list that is attached to your welcome letter.

See the [IPMI article on the TrueNAS Documentation Hub](#) for instructions on changing the administrative password.

Go to **Remote Control > iKVM/HTML5** and click **iKVM/HTML5** to open a window that shows the TrueNAS console.

The screenshot shows the iXsystems IPMI web interface. At the top left is the iXsystems logo. On the right, there is a 'Host Identification' box showing 'Server: 070.0215.003.224' and 'User: ADMIN (Administrator)'. Below the logo is a navigation bar with tabs: System, Server Health, Configuration, Remote Control, Virtual Media, Maintenance, Miscellaneous, and Help. Under the 'Remote Control' tab, there is a sub-menu with 'iKVM/HTML5' selected. The main content area displays a message: 'This page can be used to access a server remotely using iKVM with HTML5.' Below the message is a button labeled 'iKVM/HTML5'.

4 Contacting iXsystems

For assistance, please contact iXsystems Support:

Contact Method	Contact Options
Web	https://support.ixsystems.com
Email	support@ixsystems.com
Telephone	Monday-Friday, 6:00AM to 6:00PM Pacific Standard Time: <ul style="list-style-type: none">• US-only toll-free: 855-473-7449 option 2• Local and international: 408-943-4100 option 2
Telephone	Telephone After Hours (24x7 Gold Level Support only): <ul style="list-style-type: none">• US-only toll-free: 855-499-5131• International: 408-878-3140 (International calling rates will apply)